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1 [System design and optimization: Java/CORBA technology on a Beowulf cluster](#)

Liang Guo, Barrett R. Bryant, Robert M. Hyatt

 April 2000 **Proceedings of the 38th annual on Southeast regional conference ACM-SE 38**

Publisher: ACM Press

Full text available: [pdf\(137.65 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Java and CORBA have become standards for network and distributed systems programming over a wide variety of platforms^[4]. As a kind of scientific and high performance computing machine, Beowulf is usually built out of commodity hardware components which are connected by a private high speed network, and runs on a free source code and modular design kernel software operating system like FreeBSD and Linux. While Java and CORBA both run on Linux^[5], the underlying operating sy ...

2 [MTEEP: mechanical transmission element expert system](#)

Sanjiv Ranjan

 February 1988 **Proceedings of the 1988 ACM sixteenth annual conference on Computer science**

Publisher: ACM Press

Full text available: [pdf\(499.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

MTEEP (Mechanical Transmission Element Expert) is an expert system for the design of mechanical transmission elements and proper material selection. Much of the research and development in Engineering with respect to expert systems has been confined to Electrical Engineering. Less research has taken place towards the development of an efficient expert system in the field of Mechanical Engineering Design. Many of the problems encountered by mechanical designers are complex and tim ...

3 [A goal-driven auto-configuration tool for the distributed workflow management system](#)

mentorlite

Michael Gillmann, Jeanine Weissenfels, German Shegalov, Wolfgang Wonner, Gerhard Weikum

 May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00, Volume 29 Issue 2**

Publisher: ACM Press

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1 [Unified versioning through feature logic](#)

Andreas Zeller, Gregor Snelting

 October 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,
Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(699.55 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Software configuration management (SCM) suffers from tight coupling between SCM version-ing models and the imposed SCM processes. In order to adapt SCM tools to SCM processes, rather than vice versa, we propose a unified versioning model, the version set model. Version sets denote versions, components, and configurations by feature terms, that is, Boolean terms over (feature : value)-attributions. Through feature logic, we ...

Keywords: feature logic, version sets

2 [Performance analysis of a fault tolerant computer system](#)

Lionel C. Mitchell

 April 1990 **ACM SIGMETRICS Performance Evaluation Review, Proceedings of the 1990 ACM SIGMETRICS conference on Measurement and modeling of computer systems SIGMETRICS '90**, Volume 18 Issue 1

Publisher: ACM Press

Full text available: [pdf\(222.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper presents the description of an analytical queueing network model of a Tandem computer system in the FAA Remote Maintenance Monitoring environment and a performance analysis of the Maintenance Processor Subsystem for the 1990s time frame. The approach was to use measurement data to quantify application service demands and performance contributions of the fault-tolerant software in the Tandem environment in an analytical queueing network model. Sensitivity analyses were conducted u ...

3 [Inheritance semantics for computer-aided design databases](#)

Randy H. Katz

September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems**

Publisher: IEEE Computer Society Press

Full text available: [pdf\(103.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)